

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 09263864  
PUBLICATION DATE : 07-10-97

APPLICATION DATE : 26-03-96  
APPLICATION NUMBER : 08097785

APPLICANT : KOBE STEEL LTD;

INVENTOR : OGURA TETSUZO;

INT.CL. : C22C 9/10 H01R 39/04 H01R 39/20 // H02K 13/00

TITLE : COPPER ALLOY EXCELLENT IN ELECTRIC-DISCHARGE WEAR RESISTANCE

ABSTRACT : PROBLEM TO BE SOLVED: To obtain a copper alloy excellent in electric-discharge wear resistance, used for parts causing electric-discharge wear, such as motor commutator and various contacts.

SOLUTION: This copper alloy has a composition consisting of, by weight, 0.1-1.0% Si and the balance copper with inevitable impurities and further containing, if necessary, 0.01-6.0%, in total, of at least one or more kinds among 0.01-1.0% Mg, 0.01-1.0% Al, 0.01-1.0% Ti, 0.01-1.5% Cr, 0.01-1.0% Mn, 0.01-3.0% Fe, 0.01-3.0% Co, 0.01-4.0% Ni, 0.01-5.0% Zn, 0.01-1.0% Zr, 0.01-1.0% Ag, and 0.01-2.0% Sn.

COPYRIGHT: (C)1997,JPO